

ABSTRACT OF THE INVENTION

This invention relates to a self-lubricating bearing and a method of producing the same. The self-lubricating bearing includes a main body and a plurality of solid lubricant pieces. The main body has an inner annular wall surface, an outer annular wall surface, and a through hole defined by the inner annular wall surface. The solid lubricant pieces are embedded in a plurality of depressions of the inner annular wall surface by coating and grinding and each has a radial inside annular surface in a curve conforming to that of the inner annular wall surface. The forming of the depressions without radially penetrating through the outer annular wall surface to make the solid lubricant pieces embedded into the depressions with less amount by coating and grinding allows the self-lubricating bearing to reduce the material cost, and keep its structural strength and lubricating effect simultaneously.

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